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Subject: Top octave augmentation?

Posted by [Garland](#) on Sat, 23 Nov 2002 11:21:04 GMT

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Has anyone successfully added a super tweeter(s) to their Pi's? I have my Theater 4's in a fairly damped room and would like a bit more high freq. Sparkle. I've read in the archives of Wayne's suggesting parallel KSN-1038's, two per channel. Thanks!Garland

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Subject: Re: Top octave augmentation?

Posted by [Wayne Parham](#) on Sat, 23 Nov 2002 17:56:11 GMT

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You might consider using the JBL 2405. The only problem is once you do this, it is no longer a uniform directivity speaker. You'll be able to hear a change as you move around the room, as the super-tweeter and horn tweeter interact differently at different angles. It might be a fun experiment for you. Try the speaker without a super-tweeter and walk around the room. See how it has the same spectral balance. Now connect the super-tweeter and listen. You'll hear the sparkle change as you move about.

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Subject: Re: Top octave augmentation?

Posted by [bmar](#) on Sat, 23 Nov 2002 18:30:25 GMT

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You could try an Eminence APT 50. It's a small compression driver that is cheap and you can get it already attached to 3 different little horns. Check them out at parts express if you're inclined. Wayne's suggestion about the JBL 2405 would be the ultimate. Bill

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Subject: Question for Wayne

Posted by [Garland](#) on Sun, 24 Nov 2002 11:51:33 GMT

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Wayne, How would one add the JBL 2405 to the Theater 4's crossover? I'm afraid I need a bit of hand-holding on this. Is there anyway you could draw up a schematic? I recall a while back you spec'ed out a crossover for the Motorola 1038 with a pair of resistors and pair of caps. Would this be similar? and if I were to only want the super high freqs, say above 17 or 18K could only a high

pass filter be used on the 2405? If so what would an appropriate filter be?Thanks!Garland

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Subject: 2405 as top octave device.

Posted by [Wayne Parham](#) on Sun, 24 Nov 2002 19:23:00 GMT

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Here's a crossover that will work nicely for you. Just replace the compression horn cable assembly and add the 2405 circuit.

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